

Illinois Energy Roadmap

A data-driven approach to planning energy efficiency and renewable energy policies and initiatives for the State of Illinois



Molly Lunn, Illinois Department of Commerce & Economic Opportunity,
Office of Energy & Recycling



Illinois
Department of Commerce
& Economic Opportunity

Project Profile

- ▶ **Sponsor:** U.S. Department of Energy
- ▶ **Source:** State Energy Program
- ▶ **Timing:** January 2015 - December 2016
- ▶ **Goal:** Develop an *Illinois Energy Roadmap* that identifies the optimized role of energy efficiency and renewable energy to meet current and future policy requirements
- ▶ **Proposers:** Illinois Department of Commerce and Economic Opportunity
Galvin Center (Illinois Institute of Technology)
Energy Resources Center (University of Illinois at Chicago)
National Association of State Energy Officials



Project Context

- Illinois has not undertaken an integrated energy planning process in two decades
- The State has established a series of separate policies regarding electricity market design, renewable energy, energy efficiency, and emissions standards
- Additionally, energy policy and regulatory authority is divided among multiple state agencies and regional transmission organizations
- As a result, the State lacks a cohesive approach to meeting state, regional, and pending federal goals



Project Vision

- Identify the market developments that will most likely impact Illinois' position as a pivotal energy actor within the region
- Clarify how existing and proposed energy policies improve or inhibit Illinois' ability to benefit from market developments
- Evaluate the potential economic and environmental impact of various energy policy options by applying a rigorous statistical analysis across a range of potential market scenarios
- Develop an *Illinois Energy Roadmap* that addresses the future direction of the energy sector in the state and region, particularly the role of energy efficiency and renewable energy



Project Objectives & Design

▶ Objectives

- Provide a structure to facilitate ongoing engagement between agencies
- Evaluate Illinois' options in relation to the regional energy market
- Engage stakeholders through structured dialogue
- Develop consensus goals and an implementation plan for meeting those goals

▶ Approach & Outcomes

- Convene Advisory Group of primary state energy/environmental/utility agencies
- Use statistical modeling to establish baseline and quantify potential impacts of policy options → Goals Status Report & Policy Review Report
- Engage Stakeholders through a public comment/response/reply process
- Develop a concrete integrated policy strategy that links energy, environmental, and economic goals and a Roadmap for how to get there → Energy Roadmap for Illinois & Annual Planning Report



Project Timeline

